DATA SHEET

Three Phase Induction Motor - Squirrel Cage

:



Customer

-								
Frame		: 364/5T		Cooling method		: IC411 - TEFC		
Insulation class		: F		Mounting		: F-1		
Duty cycle		: Cont.(S1)		Rotation ¹		: Both (CW and CCW)		
Ambient tempera	ature	: -20°C to +40°C		Starting method		: Direct On Line		
Altitude		: 1000 m.a.s.l.		Approx. weight ³		21 kg		
Protection degre	e	: IP56	Mome	nt of inerti	a(J) :0	: 0.9798 kgm²		
Design		: B						
Dutput [HP]		75	75		75		75	
Poles		4	4		4		4	
Frequency [Hz]		60	50		50 400		50	
Rated voltage [V]		460 87.2	380				415	
Rated current [A]			106		102		98.7	
R. Amperes [A]		558	542			569 602		
.RC [A]		6.4x(Code G)	5.1x(Code E)				1x(Code G)	
lo load current [A	-	33.0	33.0		35.0		38.0	
Rated speed [RPN	/]	1782	1475		1480		1480	
Slip [%]		1.00	1.67		1.33		1.33	
Rated torque [kgfr	n]	30.5	36.9		36.8		36.8	
ocked rotor torqu		220	170		180		200	
, Breakdown torque		240	200		210		220	
Service factor		1.25	1.00		1.00		1.00	
Temperature rise		80 K	1.00 105 K		105 K		105 K	
ocked rotor time		25s (cold) 14s (hot)	18s (cold) 10s (hot)		18s (cold) 10s (ho	t) 18¢ (18s (cold) 10s (hot	
Noise level ²		67.0 dB(A)	63.0 dB(A		63.0 dB(A)		63.0 dB(A)	
	25%		00.0 GD(F	·/				
	50%	94.5	94.5		94.5 94.5		94.1	
Efficiency (%)	75%	95.0	94.5				94.1	
- • •	100%	95.0					94.5	
	25%	90.4	93.6		94.1 94		34.0	
		0.00	0.75		0.70		0.67	
Power Factor	50%	0.68	0.75		0.70		0.67	
	75%	0.78	0.82		0.80		0.78	
	100%	0.83	0.84		0.83		0.82	
– • •				ation loads				
Bearing type			14 C3 Max. tr		5			
Sealing				ompressio				
Lubrication interv	val	: 12000 h 12	000 h					
Lubricant amour	nt	: 27 g 2	27 g					
Lubricant type		: Mobil Polyrex E						
Notes								
This revision repl must be eliminate (1) Looking the m (2) Measured at 1	ed. notor from the 1m and with t weight subjec ocess.	ncel the previous one, wh e shaft end. colerance of +3dB(A). ct to changes after			ge values based o bject to the tolerar			
This revision repl must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro	ed. notor from the 1m and with t weight subjec ocess.	e shaft end. olerance of +3dB(A).	power MG-1.	supply, su	bject to the tolerar			
This revision repl nust be eliminate (1) Looking the m (2) Measured at ((3) Approximate v manufacturing pro (4) At 100% of ful	ed. notor from the 1m and with t weight subjec ocess.	e shaft end. olerance of +3dB(A). ct to changes after	power MG-1.	supply, su	bject to the tolerar	nces stipula	ated in NEMA	
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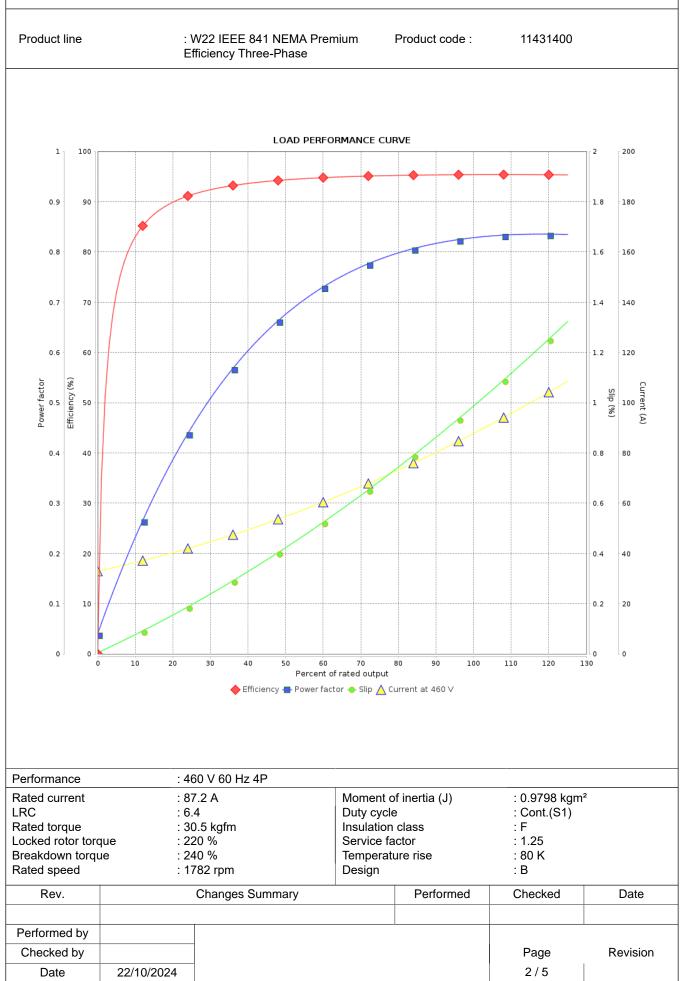
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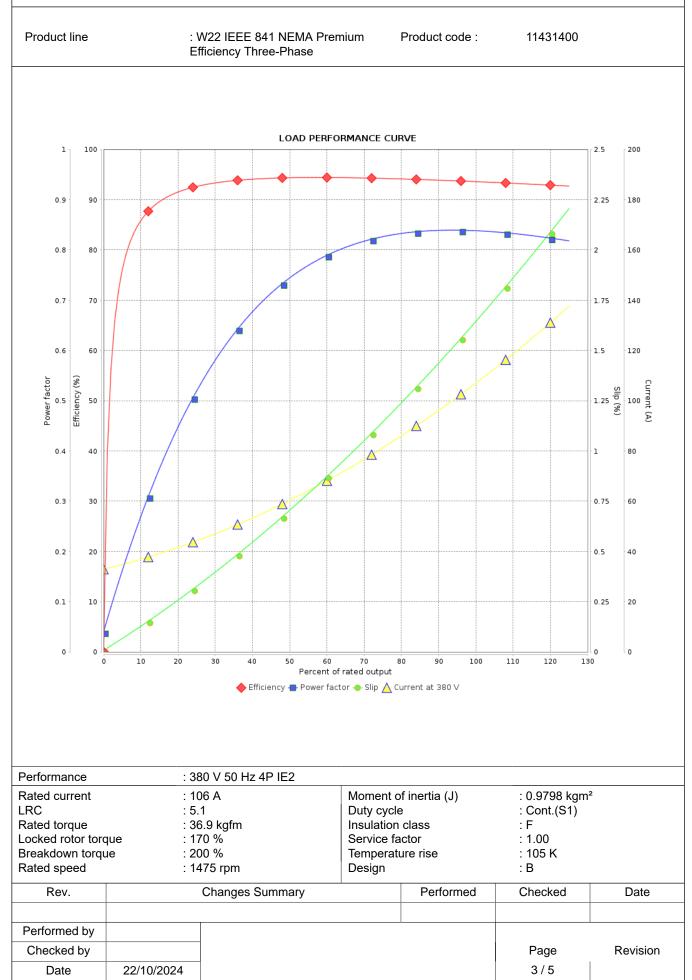


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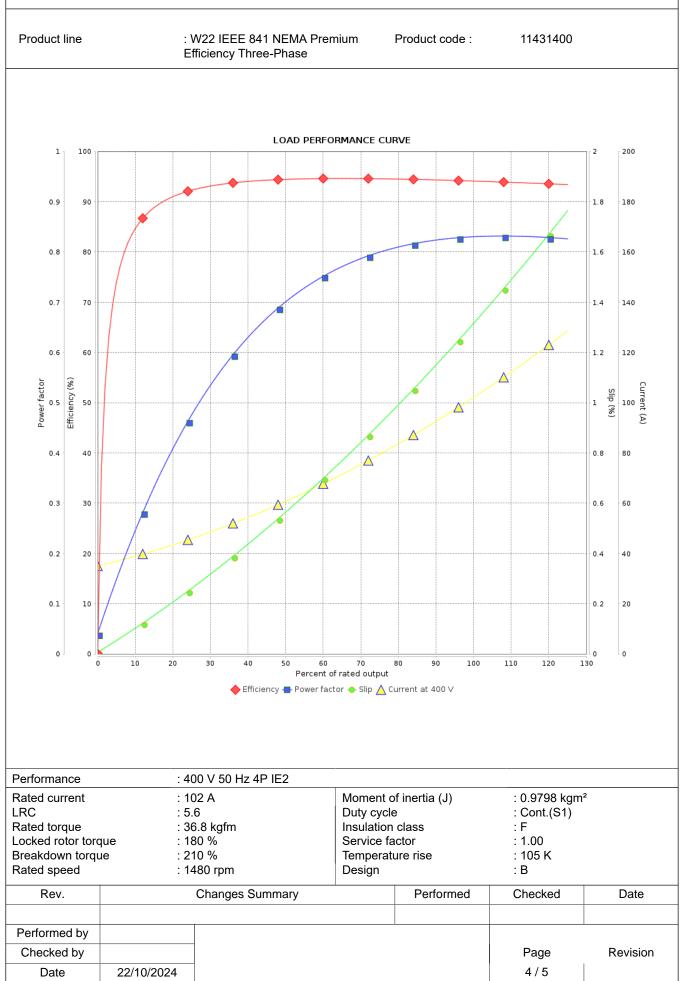
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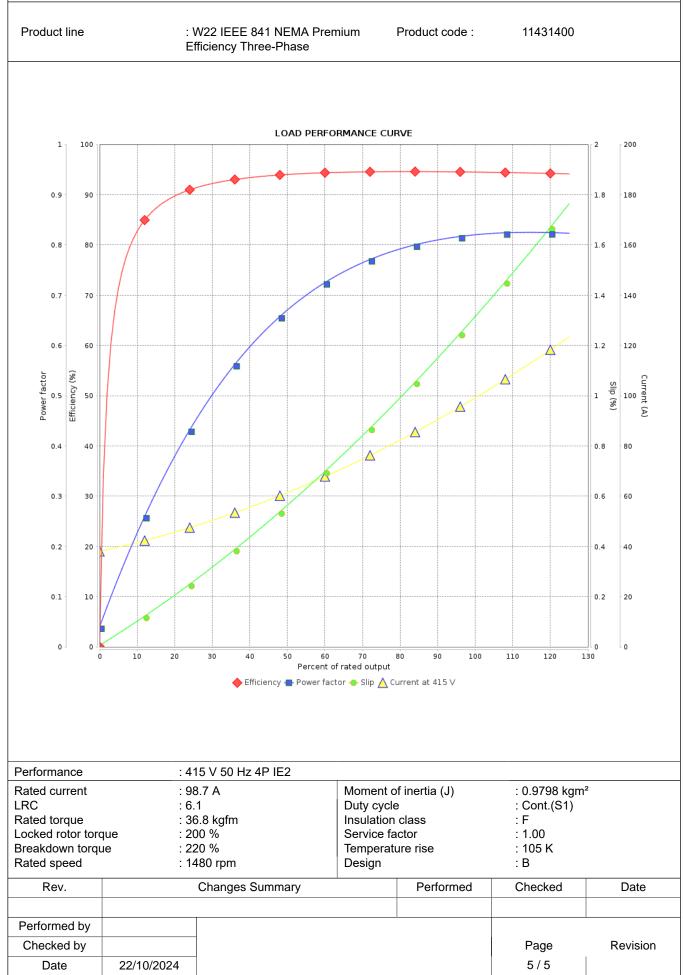


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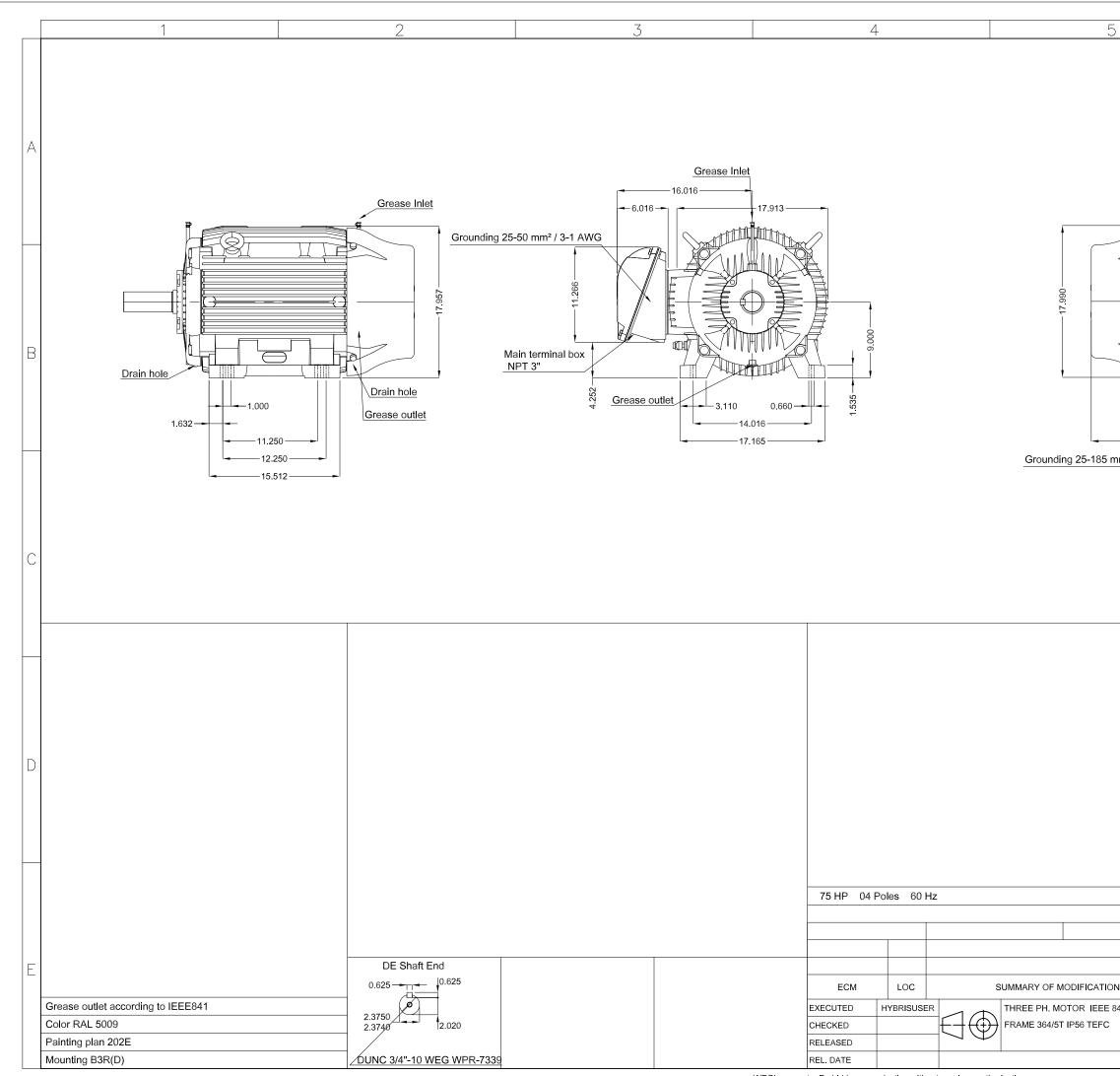
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nm² / 3AWG-350	4.134 34.420 DMCM	- 5.875	5	4.331	
					g
					Dimensions in inches
					A
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NS	EXECUTED	CHECKED	RELEASED	DATE	VER
841 W22 NEMA P		PREVI	00	ШВ	1 3
		SHEET	/		